

20011202.qrp v02_n392.qrl.20011202

Date: Sun, 2 Dec 2001 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2392

QRP-L Digest 2392

Topics covered in this issue include:

- 1) [113578] led tuning
by paul <ptay1253@yahoo.com>
- 2) [113579] WTB SMK-1 (kit)
by dave f epps <dave_epps@juno.com>
- 3) [113580] Re: 160 meter qrp net tonight at 0130 Z
by "w8diz" <w8diz@fpqrp.com>
- 4) [113581] Re: Cut numbers for ARCI HB Sprint
by Bill Stietenroth <k5zty@juno.com>
- 5) [113582] 160 meter qrp net tonight at 0130 Z
by "w8diz" <w8diz@fpqrp.com>
- 6) [113583] RE: [Elmer 101] On RF Probes
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 7) [113584] Re: RF Probe Measures Effiececy
by "George, W5YR" <w5yr@att.net>
- 8) [113585] Re: [113564] Re: ATT cable mess
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 9) [113586] RE: [Elmer 101] On RF Probes
by Nick Kennedy <nkennedy@tcainternet.com>
- 10) [113587] Tampa Bay Hamfest Report
by Paul Womble <pwomble1@tampabay.rr.com>
- 11) [113588] 1947 Handbook project info needed
by WE7X@aol.com
- 12) [113589] WTB: 3/8" BNC "D" Greenlee Socket Punch
by "Ed Tanton" <n4xy@att.net>
- 13) [113590] Re: 160 meter qrp tonight
by "ss lyon" <sslyon@megalink.net>
- 14) [113591] For Sale = SW-30+ Rig (assembled)
by Doc <70511.3041@compuserve.com>
- 15) [113592] Re: led tuning
by Steven Weber <kd1jv@moose.ncia.net>
- 16) [113593] KC4D send me private email
by Daryl Cline <wb4yex@yahoo.com>
- 17) [113594] Re: 160 meter qrp tonight
by Bruce Rattray <rattray@gpfn.sk.ca>
- 18) [113595] milliwatt "Triple Crown" !!!!!
by "George Osier" <gosier@twcny.rr.com>
- 19) [113596] FS: Red Hot Radio NorCal 20

- by "Bruce Prior" <n7rr@hotmail.com>
- 20) [113597] Stocking Stuffer for K1 Owners (also for FT-817 & Omni VI+)
by "Bruce Prior" <n7rr@hotmail.com>
- 21) [113598] Keyer Technique
by "Mark Fancher" <mmfancher@earthlink.net>
- 22) [113599] HB - VX0 fun
by "Harry Hurst" <wa3ptg@home.com>
- 23) [113600] Re: led tuning
by "Michael Melland" <w9wis@charter.net>
- 24) [113601] 1947 Handbook Project Info Needed (Response)
by K5KW@aol.com
- 25) [113602] Re: 160 meter qrp tonight
by "ss lyon" <sslyon@megalink.net>
- 26) [113603] Re: 1947 Handbook project info needed
by WE7X@aol.com
- 27) [113604] Re: 42 Volts and QRP?
by George Gingell <k3tks@u1.abs.net>
- 28) [113605] MFJ RIT Mod
by IamSF5@aol.com
- 29) [113606] FS QRP and dual band antenna
by IamSF5@aol.com
- 30) [113607] FS: Elecraft KI02 Aux Module Kit..
by "William Phinizy" <k6whp@gte.net>
- 31) [113608] HB: 32 mHz Heterodyne VFO
by <mjfitz@uswest.net>
- 32) [113609] Re: Keyer Technique
by DK3RED@t-online.de (Ingo, DK3RED)
- 33) [113610] FS: RS Simplex Repeater
by "N3BJ" <alanfryer@email.msn.com>
- 34) [113611] Re: 1947 Handbook Project Info Needed (Response)
by Jim Campbell <jim-c@nc.rr.com>
- 35) [113612] AT in PA Sunday
by "Ron Polityka" <wb3aal@fast.net>
- 36) [113613] CW keyer and paddles FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 37) [113614] FS: Knightsmite w/TiCK Keyer
by "N3BJ" <alanfryer@email.msn.com>
- 38) [113615] AT in PA Sunday = Update
by "Ron Polityka" <wb3aal@fast.net>
- 39) [113616] Red Hot 20 problem
by "Nick Yokanovich" <k3ny@cablespeed.com>
- 40) [113617] Re: milliwatt "Triple Crown" !!!!!
by Larry Cahoon <lejek@erols.com>
- 41) [113618] FS: TenTec PM-2A
by "N3BJ" <alanfryer@email.msn.com>
- 42) [113619] Re: HB: 32 mHz Heterodyne VFO
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 43) [113620] FOX: Truffle Hunt for 12/5 0130 UTC

- by "Dave WR50" <dendav@dzdn.com>
- 44) [113621] Re: RS Simplex Repeater
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 45) [113622] NA logging in QRP ARCI events
by Paul Womble <pwomble1@tampabay.rr.com>
- 46) [113623] FS SW40+
by fcsww@juno.com
- 47) [113624] Re: [fpqrp] Re: MP20 update!!!
by "Brian Murrey" <brian@iquest.net>
- 48) [113625] Saturday Night quiet on 3.686
by NB6M@aol.com
- 49) [113626] AVG
by Bruce Rattray <rattray@gpfn.sk.ca>
- 50) [113627] Pic info
by n2go@arrl.net
- 51) [113628] contest logger info
by "Dwayne_B" <medic361@worldnet.att.net>
- 52) [113629] HB:TEST EQUIPMENT
by Brad Mitchell <n8yg@yahoo.com>
- 53) [113630] Re: AVG
by "Rob Matherly" <kc0bom@arrl.net>
- 54) [113631] Re: HB:TEST EQUIPMENT
by "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
- 55) [113632] [CLUB] Joe Spencer, KK5NA, appointed new QRP ARCI president
by Jim Stafford <w4qo@amsat.org>
- 56) [113633] Should be simple ... 80M VFO saga continues
by Nick Kennedy <nkennedy@tcainternet.com>
- 57) [113634] Re: Test Equipment
by <jfox6@houston.rr.com>
- 58) [113635] County Hunting Trip QRO/QRP
by Larry Cahoon <lejek@erols.com>
- 59) [113636] RE: TEST EQUIPMENT
by Nick Kennedy <nkennedy@tcainternet.com>
- 60) [113637] Undelivered email
by Donn Kuse <casey.jay@gte.net>
- 61) [113638] Re: contest logger info
by DK3RED@t-online.de (Ingo, DK3RED)
- 62) [113639] Re: Saturday Night quiet on 3.686
by "Howard Kraus" <K2UD@adelphia.net>
- 63) [113640] Re: HB:TEST EQUIPMENT
by Bill Lazure <n2tpa@juno.com>
- 64) [113641] Antietam
by Stephan Greene <sgreene@patriot.net>
- 65) [113642] keys for sale
by Goemans <jgoemans@facstaff.wisc.edu>
- 66) [113643] Re: Should be simple ... 80M VFO saga continues
by David Hinerman <wd8civ@worldnet.att.net>
- 67) [113644] [OT] Re: Antietam

by "Michael Melland" <w9wis@charter.net>
68) [113645] Re: Red Hot 20 problem
by "Dave Fifield" <dave@redhotradio.com>
69) [113646] Re: AVG
by Bruce Rattray <rattray@gpfn.sk.ca>
70) [113647] RADIOKIT
by putska@juno.com
71) [113648] RE: Should be simple ... 80M VFO saga continues
by David Hinerman <wd8civ@worldnet.att.net>
72) [113649] HB: Test Equipment
by "Ed Manuel (N5EM)" <n5em@flash.net>
73) [113650] SST or SW+?
by Michael Goins <mgoins@usa.net>

Date: Sat, 1 Dec 2001 15:58:17 -0800 (PST)
From: paul <ptay1253@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [113578] led tuning
Message-ID: <20011201235817.4889.qmail@web14310.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I am using a DC receiver (century 22) and With a led indicator I can hit the other station everytime. When I do it by ear I miss. (old age)I think MFJ used to make a led tuner as an add on to something else. Any ideas will be greatly appreciated.
paul wb2gin/qrp

Do You Yahoo!?
Buy the perfect holiday gifts at Yahoo! Shopping.
<http://shopping.yahoo.com>

Date: Sat, 1 Dec 2001 08:58:32 -0800
From: dave f epps <dave_epps@juno.com>
To: qrp-l@lehigh.edu
Subject: [113579] WTB SMK-1 (kit)
Message-ID: <20011201.162128.-239267.1.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I want to build Wayne's SMK-1 (80) paypal enabled pls reply direct

dave ab5pc fresno, ca

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<http://dl.www.juno.com/get/web/>.

Date: Sat, 1 Dec 2001 19:52:21 -0500

From: "w8diz" <w8diz@fpqrp.com>

To: <qrp-l@lehigh.edu>, <fpqrp-l@fpqrp.com>

Subject: [113580] Re: 160 meter qrp net tonight at 0130 Z

Message-ID: <006801c17acb\$99f27cc0\$21dd1b41@cinci.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

BTW, I hear the "BCK" beacon on 1813,
so 160 is wide open tonight

Are ya listenign Dan, N4ROA????

-diz

----- Original Message -----

From: "w8diz" <w8diz@fpqrp.com>

To: <fpqrp-l@fpqrp.com>; <qrp-l@Lehigh.EDU>

Sent: Saturday, December 01, 2001 7:45 PM

Subject: 160 meter qrp net tonight at 0130 Z

Hey all,

If ya aint doin nothin tonight AND
you have 160 capabilities, you might
qso with us tonight on 160 at 0130Z
Freq should be near 1810.5

Come check out ur low band signal and get lot's of QRP reports

-72, Diz, W8DIZ

Date: Fri, 30 Nov 2001 23:51:10 -0600
From: Bill Stietenroth <k5zty@juno.com>
To: w8diz@fpqrp.com
Cc: qrp-1@Lehigh.EDU
Subject: [113581] Re: Cut numbers for ARCI HB Sprint
Message-ID: <20011201.191133.-1690077.0.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Wed, 28 Nov 2001 18:17:50 -0500 "w8diz" <w8diz@fpqrp.com> writes:
>
> Any ideas?????? Yes, Practice, Practice, Practice
>

The QRP-ARCI contest exchange is not as difficult than the Sweepstakes exchange. Do you think the SS exchange should be changed too? Why not just learn to send and receive morse code?

Bill, K5ZTY
Houston, TX

Date: Sat, 1 Dec 2001 19:45:48 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <fpqrp-1@fpqrp.com>, <qrp-1@lehigh.edu>
Subject: [113582] 160 meter qrp net tonight at 0130 Z
Message-ID: <005901c17aca\$afdbe1d0\$21dd1b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey all,

If ya aint doin nothin tonight AND
you have 160 capabilities, you might
qso with us tonight on 160 at 0130Z
Freq should be near 1810.5

Come check out ur low band signal and get lot's of QRP reports

-72, Diz, W8DIZ

Date: Sat, 1 Dec 2001 20:21:35 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@Lehigh.EDU>
Cc: <wa8mcq@erols.com>
Subject: [113583] RE: [Elmer 101] On RF Probes
Message-ID: <002b01c17acf\$af9ff800\$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WA5BDU mentioned a QST article of a few years back but didn't give specifics. As I recall, it was the W7EL article around Feb 1992, describing his excellent QRP wattmeter. In it, there is a sidebar describing diode behavior, which Nick referred to, and it's also excellent. I highly recommend reading it.

And yes, Nick, you should have relabeled it as Elmer 201 :-) And if we get into some protracted discussions, this could turn into something at the 301 level! Although it's another interesting thread, it may be a bit premature to start talking about square law behavior, carrier lifetimes, etc :-)

73 and queue our pea DE WA8MCQ (who is now virus free and no longer unwittingly spreading W32BadTrans-B!)

Date: Sat, 01 Dec 2001 19:57:07 -0600
From: "George, W5YR" <w5yr@att.net>
To: n3aaz-qrp@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113584] Re: RF Probe Measures Effiececy
Message-ID: <3C098A73.86644B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John, just have to pull your chain a little . . .

It can be argued that the analog meter affords infinite resolution since in theory the pointer can assume any position within its scale range. There is a continuum of positions whereas the digital devices can only resolve to the instance of the least significant digit under the best of conditions.

While this is true, it begs the issue of how "well" one can read and interpret the scale reading of an analog meter. I suspect that it is this

aspect of analog meter operation that you had in mind.

A "good" digital meter can have a resolution of one millivolt out of a total range of many volts. Whether or not the reading is accurate is another issue altogether. On the other hand, it could be quite difficult to read an analog meter down to the millivolt level on a maximum scale of volts.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

John R Kirby wrote:

>
> Resolution (another topic) depends on the TYPE of Volt meter used to
> measure the test point levels found on that nonlinear diode curve. The
> digital meter yields better resolution than an analog meter.

Date: Sat, 1 Dec 2001 21:10:26 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: joe@n9jr.dyndns.org
Cc: dafouchey@home.com, qrp-l@Lehigh.EDU
Subject: [113585] Re: [113564] Re: ATT cable mess
Message-ID: <200112020210.fB22AQ913897@panix3.panix.com>

FWIW, there are places where DSL has been dropped as quickly.
NY and Palo Alto, to my certain knowledge.
I live in fear that PacBell will pull mine for some corporate reason.

Starband is a possible backup alternative.

73, doug

Date: Sat, 1 Dec 2001 18:34:00 +0000 (UTC)
From: Joe Reed <joe@n9jr.dyndns.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 1 Dec 2001, Dave Fouchey wrote:

> Same for the Comcast@Home service, I understand ATT has made an offer to
> buy out the @home service from Excite and that both ATT and Comcast are
> working on contingency services. All in all it's going to be a royal pain

> in the buttocks for a while.

The issue that was the creditors were trying to get ATT to up their offering price. And so far ATT has not done so. This is all old news in the industry.

I'm glad that I had such a fear of script kiddies running sniffers across the bridged IP network (which is what cable is) I opted for DSL.

Hope you can keep your broadband.

Joe N9JR

Date: Sat, 1 Dec 2001 20:17:28 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'wa8mcq@erols.com'" <wa8mcq@erols.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113586] RE: [Elmer 101] On RF Probes
Message-ID: <01C17AA5.338792C0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A great article and you only missed by two years, Mike. But you did inspire me to finally figure out what issue it was: February, 1990.

This is one of those projects I've been meaning to get to "one of these days" for years. I think the circuit eventually became the famous WM-1 meter.

BTW--Mr. Lewallen says "don't substitute for the FT-37-72 cores", but I don't think they're available any more. I had a substitue picked out but ... where the heck did I put my notes?

Oh, here's an Amidon sheet saying type 77 supersedes 72.

72--Nick, WA5BDU

-----Original Message-----
From: Mike Czuhajewski [SMTP:wa8mcq@erols.com]
Sent: Saturday, December 01, 2001 7:22 PM
To: Low Power Amateur Radio Discussion
Subject: RE: [Elmer 101] On RF Probes

WA5BDU mentioned a QST article of a few years back but didn't give specifics. As I recall, it was the W7EL article around Feb 1992, describing his excellent QRP wattmeter. In it, there is a sidebar describing diode behavior, which Nick referred to, and it's also excellent. I highly recommend reading it.

Date: Sat, 01 Dec 2001 21:21:10 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: FP List <fpqrp-l@mpna.com>, QRP-L <qrp-l@lehigh.edu>
Subject: [113587] Tampa Bay Hamfest Report
Message-ID: <3C099016.AE80C227@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This weekend is the annual Tampa Bay Hamfest. Mac AF4PS did the successful QRP forum last year...so continuing with a forum this year was a given. Originally Mac & I were going to do it this year...but Mac ended up having to work today. So...the ball was in my court.

A few weeks ago we found out that W1RFI was going to be in for the 'fest. I sent Ed an email...and told him about our forum and to see if he could stop by. So...the forum ended up being Ed & I...and we only put one or two of the 25 or so in attendance to sleep ;-)

Ed's appearance was greatly appreciated. He had a full forum schedule...but still was very willing to help with the QRP forum. Thanks Ed!

Ed had the Tuna Tin and told how it was "lost & found"...and I talked about all the fun QRP operating events. Several of the people wrote down the websites for the Spartan Sprints and QRPTTF...maybe we have a few new QRP recruits.

Oh...what do you think Mac's certificates for working the W1FB special event's will bring on Ebay? Ed gave them to me to pass along to Mac!

73
Paul K4FB

Date: Sat, 1 Dec 2001 21:26:21 EST
From: WE7X@aol.com
To: qrp-1@lehigh.edu
Subject: [113588] 1947 Handbook project info needed
Message-ID: <45.fe26caa.293aeb4d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I recently picked up a HB RF signal monitor scope. According to a note in the case, it was built from an article in the 1947 Handbook, pp 406.

Is there any chance someone would have a copy of that handbook, or maybe one of a close year? The device seems to work, but I would like a bit more info on operation, specs and hookup details.

The circuit uses a rectifier tube and a #913 tube as a CRT display.

I would like to get a copy of the original article.

Rod

WE7X

Issaquah, WA.

Date: Sat, 1 Dec 2001 21:46:21 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Cc: "Boatanchors-Jack" <listown@nanniandjack.com>,
"Boatanchors-Tempe" <BOATANCHORS@LISTSERV.TEMPE.GOV>
Subject: [113589] WTB: 3/8" BNC "D" Greenlee Socket Punch
Message-ID: <00ea01c17adb\$8706c980\$efeb5b0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Anyone have a 3/8" e.g. BNC "D" "Greenlee Socket Punch for sale?

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sat, 1 Dec 2001 21:50:09 -0500
From: "ss lyon" <sslyon@megalink.net>
To: <w8diz@fpqrp.com>, "chat qrp" <qrp-l@lehigh.edu>
Subject: [113590] Re: 160 meter qrp tonight
Message-ID: <008f01c17adc\$0e83d880\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm on 1.810 +/- now and will be listening for adventurous souls, as I melt some solder. Hear some 8's 9's at 1.08, but really quiet otherwise. Have the '706 @5w to my Eighty Eight working as a flat top.

72
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 01, 2001 7:45 PM
Subject: 160 meter qrp net tonight at 0130 Z

> Hey all,
>
> If ya aint doin nothin tonight AND
> you have 160 capabilities, you might
> qso with us tonight on 160 at 0130Z
> Freq should be near 1810.5
>
> Come check out ur low band signal and get lot's of QRP reports
>

> -72, Diz, W8DIZ
>

Date: Sat, 1 Dec 2001 21:45:04 -0500
From: Doc <70511.3041@compuserve.com>
To: "\"Low Power Amateur Radio" <qrp-1@lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [113591] For Sale = SW-30+ Rig (assembled)
Message-ID: <200112012145_MC3-E8F4-CDCF@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

For Sale =3D SW-30+ rig. Need to make some room in the shack. Completel=
y
assembled, works well. Rig is built into a Radio Shack 2-tone metal case=
. =

Comes with original documentation. Total price =3D only \$78.00 shipped t=
o
your CONUS address. =

73,
--Doc/K0EVZ

Date: Sat, 01 Dec 2001 21:42:29 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: ptay1253@yahoo.com
Cc: qrp-1@lehigh.edu
Subject: [113592] Re: led tuning
Message-ID: <3.0.6.32.20011201214229.007a72e0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I am using a DC receiver (century 22) and With a led
>indicator I can hit the other station everytime. When
>I do it by ear I miss. (old age)I think MFJ used to

>make a led tuner as an add on to something else.
>Any ideas will be greatly appreciated.

A LM567 tone detector chip can be set up to light a LED when it "hears" a specific frequency. Probably what your Cent 22 uses. Frequency is selected by a R/C with a second cap to set the band width and a couple of by-pass caps to finish it off. You can probably find the data sheet on the National web site which I believe is <http://www.national.com> It's a simple formula to calculate the values you need.

A quick look through some catalogs and only place I found one was Jameco, 59 cents. Since they charge an extra \$5.00 for orders under 20, hope you need some other stuff too! The LM567 was commonly used in older, 49 MHz, single channel, xtal controlled cordless phones, so if you can dig up one of those, chances are you'll find a couple in there. (along with everything else you'll need to build the detector with) Old Cordless phones are one of my favorite parts mining sources...

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Sat, 01 Dec 2001 22:03:04 -0500
From: Daryl Cline <wb4yex@yahoo.com>
To: ATRAIL-L@lehigh.edu, HamRadio_Mountaintopping@yahoogroups.com,
qrp-l@lehigh.edu, qrp-l@qth.net
Subject: [113593] KC4D send me private email
Message-ID: <4.3.2.7.0.20011201220143.01f3b510@mail.ntelos.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bill I forget what list you are on but please send me a private email. I can't find your email address anywhere. Tnx.

Daryl Cline WB4YEX FPQRP # 322 ARS #632 SOC #449

Harrisonburg, Va.

<http://www.cfw.com/~jdc>

-AOL Instant message screen name WB4YEX

"When I found the skull near camp, the first thing I did was call the police. But then I got curious I picked it up and started wondering. Who was this person ? and why did he have goat horns ?

Date: Sat, 1 Dec 2001 21:03:16 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: ss lyon <sslyon@megalink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [113594] Re: 160 meter qrp tonight
Message-ID: <Pine.LNX.4.33.0112012102290.4657-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Monitoring 1810 +/- and nothing heard so far...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Sat, 1 Dec 2001, ss lyon wrote:

> I'm on 1.810 +/- now and will be listening for adventurous souls, as I melt
> some solder. Hear some 8's 9's at 1.08, but really quiet otherwise. Have the
> '706 @5w to my Eighty Eight working as a flat top.
> 72
> AA1MY
>
>
> Seabury & Sharon Lyon
> 99 Sparrowhawk Mtn Rd
> Bethel, Me, 04217 U.S.A.
> 207-836-2576

Date: Sat, 1 Dec 2001 22:49:52 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [113595] milliwatt "Triple Crown" !!!!!
Message-ID: <001d01c17ae4\$667bb500\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Happy Happy !!!!

After working Joe , KI3B in Delaware I now have mw W.A.S. !!!! 700 MW on 40 meters at 0233 UTC , Dec 2 !!!

Now I have :

mw W.A.C. , 700 mw , CONFIRMED
mw W.A.S. , 700 mw , 30 confirmed
mw DXCC , 700 mw , 81 confirmed

A lot of people have helped me toward my goals :

Jim , KJ5TF LOTS of encouragement !!!
Larry , WD3P skeds and encouragement !!!
Joe , KI3B LAST state for WAS !!!
Dennis , W7TSM ... PERSISTENCE to get me Wyoming !!!

and MANY others who have been so kind to help me toward my goals !!!!!

TU TU TU DE N2JNZ / QRP 72 72 !!!!!

73S

George Osier , N2JNZ / QRPp

Date: Sun, 02 Dec 2001 03:58:58
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [113596] FS: Red Hot Radio NorCal 20
Message-ID: <F54oQy59r7mUBDR9p8v00014bac@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Red Hot Radio NorCal 20 in fine working condition:
\$185 US funds including shipping to US, Canada, Mexico.

Please contact n7rr@arrl.net off-list.

Send cheque or money order to:
Bruce Prior
853 Alder Street
Blaine, WA 98230-8030

72, Bruce Prior N7RR

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sun, 02 Dec 2001 04:16:54
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [113597] Stocking Stuffer for K1 Owners (also for FT-817 & Omni VI+)
Message-ID: <F55KY5N4DdGieAkD9SC0000ada4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thrilled with your K1? Here's something a little extra to celebrate
Chistmas or Hanukkah. It's called the K1 Vade Mecum.

What s a Vade Mecum? "Vade mecum" means literally "go with me" in Latin.
According to Webster s New World Dictionary, it is "something carried about
by a person for constant use, reference, etc., as a handbook or manual."
This Vade Mecum card set is intended first as a handy reference for Elecraft
K1 owners who have already read the Owner s Manual. Even long-term Elecraft
K1 owners can use the Vade Mecum to remind them of a number of features of
this high-quality portable transceiver which they may have neglected. Lots
of people have discovered that the K1 is a contest-grade rig that easily
fits in a backpack. Reading through the Vade Mecum would be a fine warm-up
before a major operating event. It s also an inexpensive and simple tool
for operators who want to learn more about the Elecraft K1 "bells and
whistles" before buying the rig.

The Elecraft K1 is a sophisticated CW transceiver covering either two or
four amateur bands from 80-m through 15-m, depending on whether the 2-band
or 4-band removable filter module is installed. The K1 makes a great
backpacking or mobile radio, but it is loaded with the quality and features
and appearance to make it a fine addition to a home station as well.

ELECRAFT K1 VADE MECUM MAGNUM

The K1 Vade Mecum Magnum is is a double-sided laminated card which is
divided into five sections with detailed information about operating the K1:

Basic Controls and Sockets: Front Panel

The most important uses for each button, knob and jack on the front panel
are summarized. Although the K1 is quite small, the front panel facilities
are nicely spaced, so the radio can be operated easily, even outdoors with
gloved hands.

Basic Controls and Sockets: Rear Panel

The three sockets and on-off switch are described.

Principal Error Codes

The error codes which are most likely to be encountered in the field are described.

Main Menu

Inside the K1 are a number of adjustable features, many of which are controlled by this menu.

Automatic Antenna Tuner Menu

The optional internal antenna tuner is controlled by a sub-menu, accessible through the AtU item on the Main Menu.

ELECRAFT K1 VADE MECUM MINORUM

The Vade Mecum Minorum is a small pocket-sized double-sided laminated card which is divided into two sections with information in abbreviated form:

Main Menu

Automatic Antenna Tuner Menu

Vade Mecum Orders: The Elecraft K1 Vade Mecum Quick Reference card set is available for \$6.00 each, plus \$1.00 shipping to US, Canada and Mexico. Shipping to the rest of the world: \$3.00. Washington State residents please add \$0.55 sales tax. Please remit by cheque or money order payable in US dollars. The similar Vade Mecum two-card set is still available for the Yaesu FT-817 for the same price as the K1 product, as well the single large Vade Mecum laminated card for the Ten-Tec Omni VI+ for \$5.00 plus shipping. Kairos Research, 853 Alder Street, Blaine, WA 98230-8030 USA

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sat, 1 Dec 2001 23:16:39 -0500
From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [113598] Keyer Technique
Message-ID: <003b01c17ae8\$248ff4e0\$99e5d23f@ae.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Some time ago, I remember someone had a sort of paddle training manual on a web page. Gave direction on how to practice with the paddles and the technique to use to form the different characters. Also had directions on how to adjust the paddles. I'd like to read it again, but can't seem to locate the web page. I seem to recall it was from one of the NorCal gang.

Does anyone know if this?

Mark Fancher, AA4MF
mmfancher@earthlink.net

Date: Tue, 1 Dec 2026 23:24:44 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113599] HB - VX0 fun
Message-ID: <012001dd8215\$0f23a020\$0400a8c0@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

VX0 fun

Saturday morning I sat down to the PC to see if @home was still there. I should have gone for a walk. While browsing around, I came across:

<http://www.qsl.net/kq0rp/css.html>

It looked pretty interesting, so I did a search on VX0s, which turned up:

<http://www.g3ycc.karoo.net/widevx0.html>

which led me to build the transmitter from the NN1G transceiver in the 1995 handbook, using the PN2222a VX0 Instead of the FET VF0. The VX0 has parallel 11.040 MHz crystals, and is mixed with 4.00 MHz. using an NE602. While doing some testing, the VX0 range was determined to be 11.019 - 11.055

MHz. Not bad. When the transmit chain was finished to the driver, I checked the output of the driver. Everything is OK from 7034 - 7045 KHz. The problem is the frequency jumps to the 11 MHz. VXO frequency above and below this range.

The frequency counter is an old HP 8351A, bought at a hamfest last year. The only other counter I've used is the RS portable. What does a counter count when more than one frequency is present? The strongest? An erroneous count from both signals? When I had my last formal electronics training, counters were found only in physics labs, and I was taught that transistors were a fad, and wouldn't replace tubes. I couldn't find an answer in the Handbook.

There are 2 10.7 MHz cans in the post mixer filter, with 47 pf across them. They peak at 7 MHz, but I am not sure if they should be peaked in the middle of the band, or stagger tuned. I tried both ways, but it didn't affect the freq. jump problem.

Is this due to overdriving -- or underdriving -- the NE602? I think I need a scope and some simulation software -- and maybe some more knowledge! Or I need to engage the brain before soldering.... or maybe drive over to Ham Radio Outlet and buy a Kenwood....Naaahh.

Thanks & 72

Hap, WA3PTG
Wilmington DE

Now on 7040 KHz. with a massive 750 mW signal.

Date: Sat, 1 Dec 2001 22:58:10 -0600
From: "Michael Melland" <w9wis@charter.net>
To: <kdljv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [113600] Re: led tuning
Message-ID: <000901c17aed\$f11668a0\$0875c418@computer>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> A LM567 tone detector chip can be set up to light a LED when it "hears" a
> specific frequency.

There was just such an article back in the 1970's QST.... and Jerry Henshaw, KR5L came up with a similar little circuit and I believe had it published about two years ago. Elecraft K2 owners desiring a "zero beat indicator" could get boards at one time from Tom Hammond, N0SS... I bought two of Tom's excellent undrilled boards and built the indicator into a very small box so I could switch it between several rigs and it works great. The board he designed if he still has any... is certainly small enough to put inside typical qrp radio enclosures. Jerry's article and instructions for the build are still in the download section of Tom's web page here:

http://home.earthlink.net/~n0ss/kr5l_cw_tuning_ind.pdf

Regards,

Mike, W9WIS

--
Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
ars #1075 - <http://www.qsl.net/w9wis>

Date: Sat, 1 Dec 2001 23:56:51 EST
From: K5KW@aol.com
To: qrp-l@lehigh.edu
Subject: [113601] 1947 Handbook Project Info Needed (Response)
Message-ID: <8d.1029c6fb.293b0e93@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Rod, WE7X wrote:

<<snip>>

I recently picked up a HB RF signal monitor scope. According to a note in the case, it was built from an article in the 1947 Handbook, pp 406.

Is there any chance someone would have a copy of that handbook, or maybe one of a close year?

<<snip>>

Rod,

I remembered having a 40's Radio Amateur's Handbook among my collection still packed away after a recent move. I locateddd the box containing the Handbook and was hopeful that it would contain a 1947 edition. Just checked, and it was not. It is a 1948 edition. Unfortunately, I do not find any articles that directly resemble the scope that you described.

However, on page 487 of Chapter 16, covering Measuring Equipment, there is an article titled "A Simple Oscilloscope For Modulation Monitoring." It uses a Type 2X2 rectifier and a Type 2AP1 2-inch scope tube. The author built the unit described in the article in a 19 inch rack panel.

You mentioned that there was a note inside the case stating the scope was built from the 1947 Handbook. There were several other Radio Handbooks of that vintage other than the ARRL Radio Amateur's Handbook. I'm wondering if perhaps the builder of your unit might be referring to one of them instead. Dunno. Sorry I couldn't be of more help.

72

Don, K5KW

Date: Sun, 2 Dec 2001 00:23:45 -0500
From: "ss lyon" <sslyon@megalink.net>
To: "Bruce Rattray" <rattray@gpfn.sk.ca>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113602] Re: 160 meter qrp tonight
Message-ID: <009d01c17af1\$84034b80\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well... it was a quiet nite, really, but did manage to have a nice QRP chat with WB2LMB Glenn, and W2HT Chas. We did kick it up to QRO tho as condx were difficult. I heard N9IJ call me but he couldn't copy me I guess. Hoping to work the 'test Wed nite with a KD1JV HB rig into a kite flown 260' vert. if wx permits.

72

AA1MY

Date: Sun, 2 Dec 2001 00:59:03 EST
From: WE7X@aol.com
To: WE7X@aol.com, qrp-1@lehigh.edu
Subject: [113603] Re: 1947 Handbook project info needed
Message-ID: <15f.4e31788.293b1d27@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks for all the replies. It is amazing how many owners of the old manuals were on line within a few minutes to provide the information requested. What a list!

Thanks to all who spent the time to dust off the old volumes.

Rod
WE7X
Issaquah, WA.

Date: Sun, 2 Dec 2001 02:46:11 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-1@Lehigh.EDU>
Subject: [113604] Re: 42 Volts and QRP?
Message-ID: <20011202023509.V11188-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, I am more interested in Why "42 Volts" than how it applies to QRP. Maybe Lucent went in Cahoots with the Auto Manufacturers and wanted to make sure that we didn't start using Telephone Batteries in the Cars.

Surely 48 Volts would have made more sense? On the Other hand Phone Company always liked to put theirs backwards to everyone elses :^}

Those of you who are true Qrpers won't Care what Voltage they use.

It will always be more than we need :^}

Besides there are millions of Good 12 Volt Gel Cells in Alarm Systems Cabinets all over the Country. Oh Yes, and let us not forget all those Emergency Lighting Systems. More 12 Volt Gell Cells.

I had to laugh to myself, Here I sit with a big 48 Volt Package under the desk. (4 Real Big 12 Volt Gell Cells Wired together for a Emergency Back Up supply). Got it from Bill Allen at Electronics Plus in Beltsville.

Probably Hook in my Ten Watt Solar Panel to keep a Trickle Going into it

and run my QRP Rig for Life. :^}

GN es GL

Guess we have to build a new Charger...

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sun, 2 Dec 2001 02:25:33 EST
From: IamSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [113605] MFJ RIT Mod
Message-ID: <16d.4ea92b2.293b316d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi everyone, Several people have mailed me and asked for the mod for the MFJ rig that will turn on a red LED to let them know the RIT is not centered. I'm sorry but I'm not that person. I like the MFJ rig but the only RIT mod I made was to replace the older one with the newer detent type. Have a nice Sunday
Bob
WA2HOQrp <tm>

Date: Sun, 2 Dec 2001 03:36:48 EST
From: IamSF5@aol.com

To: qrp-1@lehigh.edu
Subject: [113606] FS QRP and dual band antenna
Message-ID: <104.d2bc4c3.293b4220@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi every one.
I have a dualband cushcraft VHF and UHF antenna.
It's 5 years old and has been in the weather for only about 2 years.
Looks almost new.
\$75 Shipped and i'll pay for the shipping tube.
The other item is the VERY early NC 40.
The final went.
It has an unwired KC-1 keyer installed.
Thats the way I received it.
The person who sold it to me said he tried everything and was not able to get
it working
Plain aluminum case and you get to enjoy doing all the updated mods to it.
\$50.00 shipped.....Just what I paid
Thanks
Bob
WA2HOQrp <tm>

Date: Sun, 2 Dec 2001 01:42:46 -0800
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [113607] FS: Elecraft KI02 Aux Module Kit..
Message-ID: <000101c17b15\$b3ca6500\$58ad173f@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

..just can't seem to find the time to work on this. It is brand-new
and unbuilt and includes (I think) the K2 ROM upgrade.

\$89.00 and I will send via USPS Priority Mail -- saves you shipping
and that dreaded slice of filthy lucre that must be renereed to
"Gray-out" Davis if you are in California.

Bill, K6WHP

Date: Sun, 02 Dec 2001 04:15:27 -0600
From: <mjfitz@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [113608] HB: 32 mHz Heterodyne VFO
Message-ID: <3C09FF3F.4C3ADD7@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Comrade electron manipulators...

Methinks this may be of some benifit to other hackers
such as myself...

Just built a 32 mHz VFO using a 35 mHz uP xtal, a 3.3
mHz varactor-tuned oscillator (which looks remarkable
similiar to the NORCAL 40 VFO...?), and a lowly 602 chip.
It is satisfyingly stable after a few manipulations, and I
think it will make a fine "heart" for the pad/glue/ugly
ten-meter rig now under build.

I did not use the internal 602 oscillator on pins 6 & 7
for the local osc., but instead chose to build a simple
overtone circuit from "QRP Classics"(pg 104, fig 3A) which
has no external feedback path. It employs the intra-device
capacitance to provide the feedback necessary to buzz at the
desired 35 mHz instead of the fundamental 11.whatever mHz.
I noticed in the 2001 Handbook (info on 612 chips) it is
possible to use an overtone xtal with this chip by what
looks like shorting/grounding out the fundamental freq. with
a series-tuned circuit, but the circuit of the external FET
oscillator is so simple that it has only one or two more
parts than need for the internal 612 oscillator...that is,
the only thing on the gate is the xtal and the customary
100K resistor.

Initially J310 FETs were used in the 3 mHz VFO, the
overtone osc., and as a post-mixer amp (again remarkably
similiar to the Sierra circuit this time...dah...), but not
for long... At 8 volts (100ma regulator) the VFO drifted
far too much even on start-up, and was not acceptable...no
big surprise here, having played with a few VFOs lately. I
then went looking for the bag of 2N5484s, but they were
playing hookie someplace, so I tried a 2N5485...a noticeable
improvement still running at 8 volts, but not good enough.

After retracing my steps in some other projects I found
the 2N5484s and, dropping the supply to 5 volts to further

minimize FET heating, installed the '5484 and let 'er run... Not too bad, but listening to this oscillator at 3.3 MHz on the Ten Tec I noticed what seemed to be little almost imperceptable drop-outs as it ran, although it was quite frequency-stable and never stopped running for more than a small fraction of a second. I then jack up the voltage to an even 6 V and the thing runs great without the blips.

I am now quite happy with the completed VFO...it also has RIT via a 393 chip. It produces over 2.5 V pk/pk and drifts so little it is difficult to discern any drift at all...except with the counter, and that is a very small amount that is quite acceptable...methinks it is even good enough for an SSB rig...easy! Also, and this is the part I like...there is NO noticable warm-up drift at all...you power it up and it sits right on freq. like a good puppy, L0 and all, at 32mHz... This will fly...

Few details...used a T68-7 (white) core with about 38 turns (8 uH) of #26 and mounted it to the circuit board by soldering a brass 4-40 nut centered over a hole and a nylon screw with a spacer (#6 nylon nut) to hold the core up away from the board a little bit...no Q-dope yet, although I did boil the coil for ten minutes or so just for good luck... Also...using only an MVAM108 and a 30 pF trimmer in the resonator. It has a range of 107 kHz and no padding caps. The cap coupling the resonator to the FET is polystyrene, 82 pF. The two other caps in the 3.3 MHz VFO are also polystyrene. The output of this osc. after passing thru a 3 pF coupling cap is just the right level for input to the 612... 400 mV pk/pk... no additional attenuation needed...the gods have smiled again...

My conclusions: 2N5484s in all tunable VFOs, unless something of lower standing-current current comes along, and at 1-5 ma for the '5484, I may have to wait a while...(These are available from Mouser Electronics.). Also, I was surprised to find the drift using a tuning diode to be so slight, really didn't expect such stability with a varactor, but hey...like I said...just hackin' at it here...

Also, many thanks to Dr. Zack Lau for suggesting the use of the 2N5484 (on page 122) in "QRP Classics", if one is seeking a low-drift device...do you think that was my idea...ha haa...I just figure out the good stuff others do and copy it with a few "local mods" for "local conditions"...a large schematic library of current and past

qrp rigs is a very handy thing to have, friends...

Anyway...hope this isn't too lengthy and...hope someone can learn something from it as I have.

Peace... out...

Mike N0MF

Date: Sun, 02 Dec 2001 11:54:30 +0100
From: DK3RED@t-online.de (Ingo, DK3RED)
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [113609] Re: Keyer Technique
Message-ID: <3C0A0866.A4EF440@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Mark,

Look at Chuck Adams's (K7Q0) homepage. You will find a good course for squeezing.

<http://www.qsl.net/k7qo/sending.html>

--
72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

Date: Sun, 2 Dec 2001 07:07:59 -0500
From: "N3BJ" <alanfryer@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113610] FS: RS Simplex Repeater
Message-ID: <004701c17b29\$fd5bb20\$f0756520@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: Radio Shack Simplex Repeater Model 19-345. Originally sold for \$99.99, will ship for \$64.00.

Works with any Ham or commercial transceiver. Like new with original box and original documentation.

Alan, N3BJ

Bent Mountain, VA

Date: Sun, 02 Dec 2001 07:31:18 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: K5KW@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [113611] Re: 1947 Handbook Project Info Needed (Response)
Message-ID: <3C0A1F16.E9E06409@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod,

I have a 1941 copy of "The Radio Handbook" by the editors of "Radio". It has a Cathode Ray Modulation Checker. The CR tube is a RCA-902. It has 5 supporting tubes, a 6X5G, an 885, two 6C6s and a 1V. If this sounds like your unit, I can scan the pages and send them to you.

Jim
W4BQP

K5KW@aol.com wrote:

>
> Rod, WE7X wrote:
>
> <<snip>>
> I recently picked up a HB RF signal monitor scope. According to a note in
> the case, it was built from an article in the 1947 Handbook, pp 406.
> Is there any chance someone would have a copy of that handbook, or maybe
> one of a close year?
> <<snip>>
>
> Rod,
>
> I remembered having a 40's Radio Amateur's Handbook among my collection still
> packed away after a recent move. I locateddd the box containing the Handbook
> and was hopeful that it would contain a 1947 edition. Just checked, and it
> was not. It is a 1948 edition. Unfortunately, I do not find any articles that
> directly resemble the scope that you described.
>
> However, on page 487 of Chapter 16, covering Measuring Equipment, there is an
> article titled "A Simple Oscilloscope For Modulation Monitoring." It uses a
> Type 2X2 rectifier and a Type 2AP1 2-inch scope tube. The author built the
> unit described in the article in a 19 inch rack panel.

>
> You mentioned that there was a note inside the case stating the scope was
> built from the 1947 Handbook. There were several other Radio Handbooks of
> that vintage other than the ARRL Radio Amateur's Handbook. I'm wondering if
> perhaps the builder of your unit might be referring to one of them instead.
> Dunno. Sorry I couldn't be of more help.
>
> 72
>
> Don, K5KW

Date: Sun, 2 Dec 2001 07:47:10 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ".Mtn-Top" <HamRadio_Mountaintopping@yahoogroups.com>,
".HF Pack" <hfpack@yahoogroups.com>,
Subject: [113612] AT in PA Sunday
Message-ID: <004701c17b2f\$7698f6a0\$623c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Goody, K3NG and myself, WB3AAL, will be near Ecksville, PA on the AT today at 17:00 UTC. We will be hiking in about an hour or so, where we will setup and operate on the QRP frequencies.

Goody will have his K1 to operate on 40 & 20 meters.
I will be on the other bands with my K2, I will start out on 10 or 15 meters.

72 & 73
Ron Polityka
WB3AAL
www.n3epa.org

Date: Sun, 2 Dec 2001 08:18:51 -0500
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [113613] CW keyer and paddles FS
Message-ID: <012501c17b33\$e3560ae0\$4a91d4d1@toshiba>

For Sale:

MFJ "Grandmaster" Memory Keyer. Model 482 B

This keyer has four memories, although Memory A B may be combined into one larger memory. It also has a repeat function, and a "Tune" position, that is equivalent to holding the key down for tuning an antenna tuner, or whatever. Power from internal 9 V battery, or external power. It will key either positive or negative rigs, and also has weighting and tone controls on the back. Speed and sidetone volume are on the front panel. An LED indicates when a memory is in use. This particular unit looks as close to new as you will find. I can not find any scratches on it. \$ 60

Benchner BY-2 Paddle

This is the "All Chrome" model. Chrome base. and not the black base. In very nice shape for \$ 80.

Plexiglass dust cover for Benchner paddle.

Custom made to keep the Benchners nice and clean, and dust free. \$ 10

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson

E-mail to W8EK@fdt.net or W8EK@yahoo.com

Voice Phone (352) 732-8400

Date: Sun, 2 Dec 2001 08:22:11 -0500

From: "N3BJ" <alanfryer@email.msn.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [113614] FS: Knightsmite w/TiCK Keyer

Message-ID: <007401c17b34\$5b6becc0\$f0756520@hppav>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: Knightsmite with TiCK keyer well done in very small phenolic box,
set up for internal 9V battery. All connectors, piezo monitor. TiCK is the
board mounted kit. Pix on request.

\$44 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 2 Dec 2001 08:44:08 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ".Mtn-Top" <HamRadio_Mountaintopping@yahoogroups.com>,
".HF Pack" <hfpack@yahoogroups.com>,
Subject: [113615] AT in PA Sunday = Update
Message-ID: <006501c17b37\$79935140\$623c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Again,

Hike update!

We made a small change. We will start hiking at 16:00 UTC and we should be
on the air between 17:00 UTC and 18:00 UTC.

72 & 73
Ron Polityka
WB3AAL
www.n3epa.org

Date: Sun, 2 Dec 2001 09:33:59 -0500
From: "Nick Yokanovich" <k3ny@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113616] Red Hot 20 problem
Message-ID: <093b01c17b3e\$61a24da0\$8f00a8c0@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First one I sent on this didn't make the list, so here goes again.

I'm finally building my RH20. All was well through the receiver stage, and I was getting nice signals when connected to an antenna. Then I installed the AGC, and now I hear nothing. Parts are in the right holes, got the R101/R102/R103 business straight. VR5 has no affect on noise level, since there is no noise. The AGC circuit shows 0.31 volts at test point "S" in tune-up mode, right on specs. Any advice?

73, Nick K3NY Arnold, MD

Date: Sun, 02 Dec 2001 14:26:17 +0000
From: Larry Cahoon <lejek@erols.com>
To: gosier@twcny.rr.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113617] Re: milliwatt "Triple Crown" !!!!!
Message-ID: <5.1.0.14.0.20011202142441.00b63b58@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Great job George, although I'll warn you it is addicting, now you have to go back and get them all at an even lower power level. Then there is WAS at 1,000 miles per watt. After that you can go for WAS at 10,000 miles per watt.

I keep a separate pile of cards for my lowest power into each state and a list posted on the wall for the next goals.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

At 10:49 PM 12/1/2001 -0500, George Osier wrote:

>Hello All !!!!!

>

>Happy Happy !!!!!

>

>After working Joe , KI3B in Delaware I now have mw W.A.S. !!!!! 700 MW on 40
>meters at 0233 UTC , Dec 2 !!!

>

>Now I have :

>

>mw W.A.C. , 700 mw , CONFIRMED
>mw W.A.S. , 700 mw , 30 confirmed
>mw DXCC , 700 mw , 81 confirmed
>
>A lot of people have helped me toward my goals :
>
>Jim , KJ5TF LOTS of encouragement !!!
>Larry , WD3P skeds and encouragement !!!
>Joe , KI3B LAST state for WAS !!!
>Dennis , W7TSM ... PERSISTENCE to get me Wyoming !!!
>
>and MANY others who have been so kind to help me toward my goals !!!!!
>
>TU TU TU DE N2JNZ / QRP 72 72 !!!!!
>
>73S
>
>George Osier , N2JNZ / QRPP

Date: Sun, 2 Dec 2001 10:20:16 -0500
From: "N3BJ" <alanfryer@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113618] FS: TenTec PM-2A
Message-ID: <000901c17b44\$dabd0da0\$5f756520@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: TenTec PM-2A. Works, in very nice shape, but needs original knobs and needs original slide switches installed (original TenTec switches included). This unit is in very nice condition, no scratches or dents, original paint. Pix on request. Original documentation included. Also included is 3 complete Powermite boards of unknown vintage + one homebrew audio output board. Were removed from working radio in homebrew case.

\$85 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 02 Dec 2001 10:46:34 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: mjfitz@uswest.net
Cc: qrp-1@lehigh.edu
Subject: [113619] Re: HB: 32 mHz Heterodyne VFO
Message-ID: <5.0.2.1.1.20011202103608.00a59ca0@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:15 AM 12/2/01 -0600, you wrote:
>Comrade electron manipulators...

Yes, I'm one of those.....

> Methinks this may be of some benefit to other hackers
>such as myself...
>
> Just built a 32 mHz VFO using a 35 mHz uP xtal, a 3.3
>mHz varactor-tuned oscillator (which looks remarkable
>similiar to the NORCAL 40 VFO...?), and a lowly 602 chip.
>It is satisfyingly stable after a few manipulations, and I
>think it will make a fine "heart" for the pad/glue/ugly
>ten-meter rig now under build.

You do like 10 meters don't you. Good job designing
this new VFO Mike.

>-snip-

Your experience parallels mine with respect to FETs. The
2N5484 is the keep among the bunch for VFO work. Use
'em all the time for that.

> I am now quite happy with the completed VFO...it also
>has RIT via a 393 chip.

Mike, what is a 393 chip. That doesn't ring any bells
for me.

> It produces over 2.5 V pk/pk and
>drifts so little it is difficult to discern any drift at
>all...except with the counter, and that is a very small
>amount that is quite acceptable...methinks it is even good
>enough for an SSB rig...easy! Also, and this is the part I
>like...there is NO noticable warm-up drift at all...you
>power it up and it sits right on freq. like a good puppy, LO
>and all, at 32mHz... This will fly...

My experience also. Turn it on, and it's on frequency.

> Few details...used a T68-7 (white) core with about 38
>turns (8 uH) of #26 and mounted it to the circuit board by
>soldering a brass 4-40 nut centered over a hole and a nylon
>screw with a spacer (#6 nylon nut) to hold the core up away
>from the board a little bit...no Q-dope yet, although I did
>boil the coil for ten minutes or so just for good luck...

I think Q dope is over rated. I don't dope my VFO
coils anymore. Just mount them between polystyrene
shouldered washers above the PC board substrate, and
call it good. Boiling, though, never hurt a VFO coil! :-)

>-snip-

> My conclusions: 2N5484s in all tunable VFOs, unless
>something of lower standing-current current comes along, and
>at 1-5 ma for the '5484, I may have to wait a while...(These
>are available from Mouser Electronics.).

Jameco too the last time I bought any.

> Anyway...hope this isn't too lengthy and...hope someone
>can learn something from it as I have.

Good write up regarding your new design. I for one think
it is terrific, and really appreciate you taking the time
to pass on all of this good information. These are the kinds
of posts that I like to read. Maybe that's because I'm a
circuit hacker too.

72 and many thanks Mike. Have a good holiday too!!

Jim, K8IQY

Date: Sun, 2 Dec 2001 09:04:01 -0700
From: "Dave WR50" <dendav@dzdn.com>

To: "Flying Pigs" <fpqrp-1@mpna.com>, "qrp-1" <qrp-1@lehigh.EDU>
Subject: [113620] FOX: Truffle Hunt for 12/5 0130 UTC
Message-ID: <003901c17b4a\$f62b1720\$c826fea9@wr5o>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who: WR50
What: The Truffle
When: 0130 5 December UTC (30 minutes before Tony, KB9YIG)
Where: Between 7.042 and 7.046
Why: Because I'm a masochist :-)

My info:

URCALL 559 DAVE TX 5W URCALL BK

If I need a repeat, I'll ask. If I got it all, you'll hear:

TU ES 00 QRZ? DE WR50

I'm hoping for really good conditions this time around. I should be able to break into double digits :-D. I hope to hear you in the hogpile.

ADVERTISEMENT:

If you enjoy pileups, consider living life on the razor's edge and being a Truffle. It's about the quickest 30 minutes you'll spend on the air. Who knows, you might just become addicted to it!

There are still dates available. Check out the schedule at:

www.fpqrp.com/pig_hunt.html

Volunteers can drop an e-mail to:

w8pig@yahoo.com

Thanks and hope to see you there!

72/73 es oo,

Dave Winfield, WR50
El Paso, Texas DM61ts

FP#-109, SOC 371, ARS 996, Zombie #793

Date: Sun, 2 Dec 2001 10:42:21 -0600
From: "Glenn Butzlauff" <gbutzlauff@wi.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [113621] Re: RS Simplex Repeater
Message-ID: <030b01c17b50\$512ba720\$d3bf1d41@wi.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Our local Radio Shacks were closing these out at \$20.00 a pop. I ahve seen these in the eHam classified section at \$40 or less.

Glenn, WE9K

----- Original Message -----
From: N3BJ <alanfryer@email.msn.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 02, 2001 6:07 AM
Subject: FS: RS Simplex Repeater

> For Sale: Radio Shack Simplex Repeater Model 19-345. Originally sold for
> \$99.99, will ship for \$64.00.
> Works with any Ham or commercial transceiver. Like new with original box
> and original documentation.
>
> Alan, N3BJ
> Bent Mountain, VA
>

Date: Sun, 02 Dec 2001 11:55:44 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [113622] NA logging in QRP ARCI events
Message-ID: <3C0A5D10.BCF4314D@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The contest logging software NA by K8CC has a 4 digit field for membership numbers in QRP ARCI events. With 5 digit numbers common

now...has anyone been able to add a digit in the NA number field?

Thanks!

Paul K4FB

Date: Sun, 2 Dec 2001 12:03:01 -0500
From: fcs@juno.com
To: qrp-1@lehigh.edu
Subject: [113623] FS SW40+
Message-ID: <20011202.120303.-4088547.3.fcs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SW40+ extended coverage enabled. Works great.
\$90 OBO
Dick, W2SCF

Date: Sun, 2 Dec 2001 12:19:51 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "w8diz" <w8diz@fpqrp.com>, <fpqrp-1@mpna.com>, <qrp-1@Lehigh.EDU>
Subject: [113624] Re: [fpqrp] Re: MP20 update!!!
Message-ID: <009b01c17b55\$8e573100\$f8362bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

That is fantastic news. I need to get mine going. If I only had about 9 days in the week.

That's great Phil!!

72 es 00

----- Original Message -----
From: "w8diz" <w8diz@fpqrp.com>
To: <fpqrp-1@mpna.com>; <qrp-1@Lehigh.EDU>
Sent: Saturday, December 01, 2001 12:34 PM
Subject: [fpqrp] Re: MP20 update!!!

> Hi gang,
>
> CONGRATS to Phil Wilcox, WB8ABE of Columbus OH.
> His MP20 made it's first QSO today with WA9PLT/QRP
> from CHATHAM IL on 14061 at 1705z, Dec 1st, 2001.
> Congrats to Phil for a fine job with his new rig.
>
> You are hereby assigned MP20 SERIAL #12
>
> Here is the complete list of "CONFIRMED" mp20s...
>
> MP#1 W8DIZ 1st qso 14 Jul 2000 on 7040 with KI8EK
> MP#2 W8DIZ 1st qso 14 Sep 2000 on 1810 with W1HMD/4
> MP#3 WB8UOJ 1st qso 31 Mar 2001 on 14062 with AF4PS
> MP#4 AF4PS 1st qso 11 Apr 2001 on 20m with KC4TXR
> MP#5 W8DIZ 1st qso 11 Apr 2001 on 14060 with WB7EPC
> MP#6 W1QF/8 1st qso 14 Apr 2001 on 20m with K8TDM
> MP#7 K8PZ 1st qso 19 Apr 2001 on 20m with WA2VQN
> MP#8 WB8ICN 1st qso 22 Apr 2001 on 14062 with AF4PS
> MP#9 N8MX 1st qso 23 Apr 2001 on 20m with AF4PS
> MP#10 KK7GG 1st qso 04 May 2001 on 20m with JW/OK1XC
> MP#11 AC7CF 1st qso 10 Jul 2001 on 20m with K7YB
> MP#12 WB8ABE 1st qso 1 Dec 2001 on 20m with WA9PLT
>
>
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
> Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
> SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
> FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>
>
>
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -
>

Date: Sun, 2 Dec 2001 12:26:25 EST
From: NB6M@aol.com
To: QRP-L@lehigh.edu
Subject: [113625] Saturday Night quiet on 3.686
Message-ID: <34.1ed5ee90.293bbe41@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

Activity last night on 3.686 was very light. Perhaps due partly to the electrical storms that were causing static crashes that were, at times, ear punishing.

But, in between them, the band was in good shape. For quite a while there, I could hear an ongoing QSO, and from time to time could copy a word or two, but the signals were just not strong enough to read. However, knowing that a QSO was on frequency, I stayed silent for a long while, waiting for them to finish.

One neat thing about hearing the weak QSO was that Dave, AB5PC, was on frequency in Fresno, and he was copying the weak signals no better with his rig, which, I think, was either his FT817 or K2, not sure which he had on at the time. Kind of nice to know that the little SMK-1 receiver is that sensitive.

Last night's only semi-DX QSO was with Joe, KD7JG, up in the northeast corner of Oregon. But, it was a nice long chat, very enjoyable, and that is worth more than DX any day, to me.

I will be looking for you on 3.686.

Take care.

Wayne NB6M

Date: Sun, 2 Dec 2001 11:38:07 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [113626] AVG
Message-ID: <Pine.LNX.4.33.0112021135340.22084-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

As was suggested by someone on this list, I have found the AVG anti-virus site and downloaded the program....I received my serial number via e-mail...BUT when I run the SETUP, there is no place asking for the serial number....the program also asks if I want to run Spectrogram....I tried this several times but no luck so far.....I must be doing something wrong...any ideas anyone please?.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

Date: Sun, 2 Dec 2001 13:00:06 -0500 (EST)
From: n2go@arrl.net
To: qrp-1@Lehigh.EDU
Subject: [113627] Pic info
Message-ID: <Pine.LNX.4.21.0112021254470.225-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There was a request for info from some new pic-sters. I found a good source of information from Morgan State. I think the prices are good. Small orders, etc.

<http://www.phanderson.com/ordering.html>

Peter has the Warp-13 programmer available for purchase. I like this one. He will ship across the pond to Europe.

Have fun.

73,

Jim n2go

Date: Sun, 2 Dec 2001 12:46:05 -0500
From: "Dwayne_B" <medic361@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [113628] contest logger info
Message-ID: <NFBBLDMNILEDKIFDPIHNOEEICAAA.medic361@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking for a copy of the article in the summer 2001 QRP Quarterly. it is on page 24 and was written by Dave Ek. If anyone has this and could scan and email it I would appreciate it....this issue is not yet available for purchase on the QRP ARCI website..... thanks for the BW

72\73

Dwayne KE4RVT

Date: Sun, 2 Dec 2001 10:10:29 -0800 (PST)
From: Brad Mitchell <n8yg@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [113629] HB:TEST EQUIPMENT
Message-ID: <20011202181029.64376.qmail@web14707.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi All,
I haven't built a qrp rig in over 2 years now.

I'm so sick and tired of building qrp rigs that I really am starting to think that maybe building homebrew test equipment would be more fun for a while.

Anyway, I was wondering if people have favorite projects that they have constructed over the years. What is it etc.

Just curious.

What are the favorites? What can you build but not easily or cheaply buy? What would you be proud to build and keep on your bench as an important piece of test equipment?

73
N8YG

Do You Yahoo!?
Buy the perfect holiday gifts at Yahoo! Shopping.
<http://shopping.yahoo.com>

Date: Sun, 2 Dec 2001 12:29:22 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <rattray@gpfn.sk.ca>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [113630] Re: AVG
Message-ID: <00ce01c17b5f\$46b71e00\$9811a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Spectrogram??? I don't know why it would be saying something like that....
are you sure you're clicking the right install file? :^D There should be
some a picture big African mask type deal on the install pages. Should say
something about grisoft also if I remember correctly.

72/73/oo
Rob, kc0bom
FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

----- Original Message -----
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 02, 2001 11:38 AM
Subject: AVG

As was suggested by someone on this list, I have found the AVG anti-virus
site and downloaded the program....I received my serial number via
e-mail...BUT when I run the SETUP, there is no place asking for the serial
number....the program also asks if I want to run Spectrogram....I tried
this several times but no luck so far.....I must be doing something
wrong...any ideas anyone please?.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 2 Dec 2001 18:50:38 -0000
From: "Tony Fishpool" <tony@g4wif.fsnet.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [113631] Re: HB:TEST EQUIPMENT
Message-ID: <003601c17b62\$52568d60\$010f87d9@duon>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Brad Mitchell" <n8yg@yahoo.com>

<snip>
> Anyway, I was wondering if people have favourite
> projects that they have constructed over the years.
> What is it etc.

Well here's my list Brad

If you don't already have one, then how about a variable voltage power supply with current limiting. A one chip (L200) will give you 2 amps and up to 30 volts. Just add transformer, a bridge rectifier and a couple more components.

A bench amplifier.
Noise generator.
Bridge to measure antenna impedance using the above noise source.
Marker generator.
Simple Signal Generator (see the next QRPP).
Variable Attenuator.
Gate Dip Oscillator.
Crystal tester.
RF Probe.

Most of these things can be found in the ARRL/RSGB Handbook.

Kind regards
Tony - G4WIF

Date: Sun, 02 Dec 2001 14:02:12 -0500
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>, qrp@qth.net
Subject: [113632] [CLUB] Joe Spencer, KK5NA, appointed new QRP ARCI president
Message-ID: <3C0A7AB4.B93964F@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The Board of Directors has chosen Joe Spencer, KK5NA, of Arlington, Texas as the new president to succeed me effective January 1, 2002 at the end of the current term. Joe is an active QRPer and a real promoter of QRP. He has been a director and VP of the club for the last couple years and works many of the hamfests in the TX area on behalf of QRP and the club. We know Joe will do a great job as president. Support him by volunteering at the first opportunity - to help your club. Joe, supported by his lovely wife Barbara, KK5QA, have been involved heavily in the QRP activities at the annual HamCom convention including the big event in 1999. Welcome Joe to a exciting time for QRP!

--

Jim Stafford, W4Q0@arrl.net 770-993-9500	President - QRP
ARCI http://www.qrparci.org	
Chief Op: http://www.w4qo.com	My local QRP
club: http://www.nogaqrp.org	
My WOOD life: http://www.byjimeny.com	Married to:
http://www.mariquilt.com	

Albert Einstein, when asked to describe radio, replied: "You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."

Date: Sun, 2 Dec 2001 13:26:08 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [113633] Should be simple ... 80M VFO saga continues
Message-ID: <01C17B34.E79E1F60.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

About a dozen years ago, my brother and I were both engaged in writing assembly language programs for fun on an old 8 bit computer . (I was doing ham stuff and he was doing a two player arcade game.) We had this little ritual. One of us would describe an apparently easy-to-implement feature he was going to add to his program, and then end the summary with the tag line: "Should be simple". That would provoke a burst of laughter from both of us. Experience had taught that the simplest change would always result

in days or weeks chasing strange new bugs. Bugs that couldn't possibly have been caused by the change, but were.

Now I've put away my assembler and am wielding a soldering iron. If there's any field more fraught with peril than assembly language, it's RF design and construction. Anyway, a couple weeks ago I posted my proud boast describing the 80 meter VFO I'd built to drive my TT-2/80. I mentioned that I was temporarily using a single turn tuning pot and so had limited the tuning range to 15 kHz or so for ease of tuning. I didn't want to spring for a ten-turn pot or reduction drive. I casually stated that I might expand the range and add a smaller second pot "in series" to provide fine tuning. Like the main tuning and bandspread of receivers from the good old days. I might as well have added, "Should be simple".

OK, where do I put this smaller pot? The existing design is just a voltage divider: Fixed resistor from V-reg to set the upper limit, pot in the middle for tuning, fixed resistor to ground below to set the lower limit.

The wiper of the pot goes thru a fixed resistor to the varactor. No current flow there. I fidgited around with the circuit, sticking the 2nd pot in in various configurations and calculating the results. This is harder than it seems! It seemed that everywhere I placed it in the circuit, the variation in its effect at opposite ends of the main tuning range was more than I could stand.

Remember when I described the original VFO for the TT2 concept as a \$100 saddle on a \$50 horse? Well, here we go again. Maybe figuring out how to do it by just adding a second pot should be a design contest for the list.

I hit on the idea of putting the main (10K) and fine (1K) pots in series and using a constant current source. This would give a constant value of voltage increment from end-to-end of the fine tuning pot regardless of the setting of the main pot. A little extra complexity, but that's OK-you can build a constant current source from a mini (100 ma) LM317 and a resistor or two. At least I thought you could. I needed less than 500 uA of current to give the tuning range I was after. After a totally unsuccessful attempt with this scheme, I went to the '317's data sheet. Hey-it requires a minimum current before it'll regulate at all. And though I'm no backpacker, it's really more current than I want to throw away.

OK, I'll try a discrete transistor type constant current source. It's a standard circuit shown in Art of Electronics and elsewhere. Pretty simple, it's kinda like an emitter follower. Put a defined voltage at the base and fixed resistor in the emitter lead. Now there's a constant voltage across the emitter resistor equal to the applied base voltage minus 0.7 volts.

That gives a constant emitter current which is essentially equal to the collector current. The load goes in the collector lead. Its resistance can vary from zero to any value until you run out of voltage, and the current will stay constant as its resistance varies. One problem is that

the constant 0.7 volts actually varies by 2.1 mV per degree C. That could add a little drift and I've already got enough, thanks.

The fix is a two transistor current source, one NPN and one PNP. The two base-emitter junctions are in series in the regulation path and their polarities cancel, eliminating this drift term for the price of slightly higher complexity. My controlling base voltage is regulated with a simple resistive divider, so regulated supply voltage is required. Put that 78L09 back in there! Also, I wanted my load connected to ground, not to Vcc, so I stood the whole circuit on its head. Changed the NPN to PNP and vice versa and swapped ground and Vcc. That's kind of a neat trick. Now my "driver" is an NPN and my "output" is a PNP. With a positive supply, the collector of a PNP goes to ground. I didn't want the voltage to the varactor going all the way to zero, so there's a fixed resistor between the two series pots and ground used to set a minimum voltage output.

Results? It works like a charm now. I'm getting about 110 kHz main tuning range. The fine tuning control pot gives me about +/- 5 kHz adjustment at the high end of the main range and +/- 6 kHz at the low end. Close enough to constant for me.

We mess with constant voltage sources all the time, but constant current is a different wrinkle. Fun to experiment with, so maybe all the time wasted putting in this simple feature wasn't all in vain.

No joy CQing around 3560 last night. Maybe NB6M pulled everybody up to 3686. I'll give it another shot tonight.

Meanwhile, while scoping out a new project or minor modification, beware of these famous last words of the programmer and homebrewer:

Should be simple!

72--Nick, WA5BDU

Date: Sun, 2 Dec 2001 13:32:19 -0600
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [113634] Re: Test Equipment
Message-ID: <001101c17b68\$101dfae0\$9902a8c0@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is a Book entitled, " build your Own Intelligent Transceiver.", by Randy Henderson. In that book are all sorts of Test equipment he has devised to aid in his development. There is another book out by Clement Pepper, " Build your own Home Lab.". Radio Shack has a small interesting little book (about \$7.00) entitled Building Power supplies.", by David Lines. QST has had several articles on building Spectrum Analyzers, and Network analyzers. KD1JV has developed a small single board Spectrum analyzer which gave surprising results (I built one). On the Internet, search for the Poor man's Spectrum Analyzer by Science Workshop. This project is relatively inexpensive and utilizes TV front ends to do the job. I have built one of these also, and it works fairly well.

Maxim has a chip... MAX038CPP... This Chip, with a 2meg pot, a 500 ohm pot and some few resistors and capacitors, and will yield a stable 1hrz to 20mhz Function Generator. You can petition Maxim for a couple of these little jewels for FREE. So you can't beat the price. Warning though, when you construct the Generator, keep the leads as short as possible and shield the result in a good aluminum box. Otherwise 60 cycles becomes an intruder.

This should keep you busy until I can think of something else.

Foxy
jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Sun, 02 Dec 2001 19:34:49 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [113635] County Hunting Trip QRO/QRP
Message-ID: <5.1.0.14.0.20011202191203.02a32ac8@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,

I finally got my log together and got a chance to look at it from my almost annual trip to TN in October for one of the regular county hunter conventions. If you want to ever see some mobile setups one of these conventions is the place to go. Just about everyone drives to these things as part of the fun is transmitting from various counties along the way. I joined the fun.

This was a mix of QRO and QRP. I've got the TS-50 setup so that I can run the counties at 50 watts, but work the other guys at 5 watts. And every now and then I forget and end up running the county at 5 watts. One of the high points was working VK4BS twice and then finding out after running the

county that I had done it at 5 watts.

Total take from four days, 1800 miles, on the road was 565 QSOs, 131 at 5 watts. I manage to transmit from 64 counties total, in 48 of those I managed at least one QRP QSO. It is impossible to say how many states I worked as I only log the QTH if the other fellow in mobile. I can say I worked mobiles in 21 states, and worked mobiles with 5 watts in 15 of those. Those 15 included ID and WY.

For those interested the most popular county was Morgan, TN with 32 QSOs - second was Fentress, TN with 26 QSOs.

73 de Larry.....WD3P in MD
2865 counties worked QRP - 212 to go.
2127 counties worked QRPp - 950 to go.
<http://www.qsl.net/wd3p/>

Date: Sun, 2 Dec 2001 13:42:36 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'n8yg@yahoo.com'" <n8yg@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [113636] RE: TEST EQUIPMENT
Message-ID: <01C17B37.3479CDA0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Step attenuator.

Power meters--those that go way down to milliwatts or microwatts. (I'm building "the Microwatter" from QST/Far Circuits, but if I were starting today I'd probably have bought Steven Weber's circuit.)

Crystal characterizer--like in a couple of W1FB QRP books. So you can get into designing your own crystal filters.

Low level signal source--like in the current QQ.

The 20 dB coupler in SSDRA is a useful, quick and easy to build device. (A toroid and three coax connectors.)

You've probably already got 'em, but a frequency counter is a good one, and a variable voltage lab power supply is another.

Simple RF probe as discussed here recently.

PLL type frequency generator as in Flying Pigs might be good as a bench type signal generator.

Running out of things to build--what a concept!!

BTW--I haven't finished all these things yet. Some are still on the back burner.

72--Nick, WA5BDU

-----Original Message-----

From: Brad Mitchell [SMTP:n8yg@yahoo.com]
Sent: Sunday, December 02, 2001 12:10 PM
To: Low Power Amateur Radio Discussion
Subject: HB:TEST EQUIPMENT

Anyway, I was wondering if people have favorite projects that they have constructed over the years. What is it etc.

Date: Sun, 02 Dec 2001 14:55:51 -0500
From: Donn Kuse <casey.jay@gte.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [113637] Undelivered email
Message-ID: <3C0A8746.BE7F1DF@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For George Gingell:

Tried 3 times to email you with the from address on your email to me (u1.abs.net) and got bounced every time. Finally gave up. Might check to see why.

Mailed out the \$\$ for the back issues of QQ for Vol 42, #1, 2 and 3.

Thanks, again.

72, Donn, WB4ZWT

66 and still learning

Date: Sun, 02 Dec 2001 21:05:53 +0100
From: DK3RED@t-online.de (Ingo, DK3RED)
To: QRP-L <qrp-l@lehigh.edu>
Subject: [113638] Re: contest logger info
Message-ID: <3C0A89A1.4E46E7EE@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Dwayne,

> I am looking for a copy of the article in the summer 2001 QRP Quarterly. it
> is on page 24 and was written by Dave Ek. If anyone has this and could scan
> and email it I would appreciate it.....this issue is not yet available for
> purchase on the QRP ARCI website..... thanks for the BW

You don't need a copy. All what you want is a URL. :o))

<http://www.home.earthlink.net/~ekdave/golog.html>

--

72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)
dk3red@t-online.de - www.qsl.net/dk3red - www.t-online.de/~dk3red

Date: Sun, 2 Dec 2001 15:11:31 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <NB6M@aol.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [113639] Re: Saturday Night quiet on 3.686
Message-ID: <000b01c17b6d\$88c750e0\$20603018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was different in the east. Heard stations up and down the band,
including 3.686 working the AWA 1929 party. Chirpy, raspy self-excited
oscillators, some MOPAs, Hartleys and others from the 20s/30s. Ah, it was
music.

The same goes on next weekend on 80M. Wish I had such a rig, I'd join the
fray. My kingdom for vintage parts and a floor full of B batteries.

72

Howard Kraus, K2UD

Date: Sun, 2 Dec 2001 16:15:58 -0500
From: Bill Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [113640] Re: HB:TEST EQUIPMENT
Message-ID: <20011202.161828.-241547.1.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Variable Bench Power supply- LM317-based. <\$50 with a reasonably stocked junk box

RF generator- Fet based, band switched. Variable Cap may turn out to be the biggest expense, but darned handy to have around.

Function generator- ICM 8038 based (ECG 864). Very cheap, very handy

Bill
W2EB

Brad Mitchell writes:
> What can you build but not
> easily or cheaply buy? What would you be proud to
> build and keep on your bench as an important piece of
> test equipment?

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 2 Dec 2001 16:21:06 -0500 (EST)
From: Stephan Greene <sgreene@patriot.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>,
NoVAQRP List <NoVaQRP@topica.com>
Subject: [113641] Antietam
Message-ID: <Pine.LNX.4.10.10112021601210.23475-100000@tzion.greene.lan>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I actually found time to operate (lunch time and early evening Saturday). The lunchtime op was a miss, tried 17M SSB around the hfpack calling frequency. I heard plenty of stations but no success making any QSOs (probably wasted too much time trying to work Malta!). Used the FT817 and the MP-1 mounted on a metal fencepost. Did elicit numerous questions and comments from the Scouts and Scouters. (Maybe we'll get a Radio merit badge or two eventually)

http://www.00ff00e.com/morephotos/1570_Antietam_20011202/dscn2731.html

http://www.00ff00e.com/morephotos/1570_Antietam_20011202/dscn2732.html

(I'm using a 3' aluminum base rod I made instead of the MP-1's stock base)

I'd have had more time to operate, except I was helping take several Scouts on a hike around the battlefield and had to leave! (Does this mean I need to add a pedestrian-mobile arrangement to my "Inspector Gadget" reputation?)

I had better success on 20M that evening in the car while we waited to drive through the illuminated battlefield. I worked several stations participating in the NWS/Skywarn operation - sort of a "special event-special event". Again, used the FT817 and the "modified" MP-1 on a magmount - maybe the car makes for a better ground plane than the fence did! The Scouts with me in the car were impressed (one is my son - he should be! <grin>). Then it was time to view the lit illuminaries (23,000 of them!) and I ended up driving the battlefield and back to our campsite with almost 8' of antenna sticking above the van! (I can attest that there were two trees with branches low enough to hit)

The newly-built ZM-2 worked quite well. I would get an approximate tune with the MP-1 coil, then fine tune with the ZM-2. It means an extra box and an extra cable, but it greatly speeds getting on the air.

One thing I learned is when radio is secondary to the trip (such as on Scout trips), that setup and tear-down time must be minimal. So the MP-1 is good. A quick-attach whip on the radio would be better, although probably not as good a performer. (Yes, I know about the MP-1 bracket for the 817 - that's one possibility) Higher power and a rig in the car would make getting contacts easier, but it wouldn't be QRP!

72 & 73. Steve KA1LM

Stephan A. Greene sgreene@patriot.net ka1lm@amsat.org
Herndon, VA 1-703-654-6032 office 1-571-233-1194 cell

Date: Sun, 02 Dec 2001 15:28:32 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [113642] keys for sale
Message-ID: <3.0.2.32.20011202152832.006a51f0@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

I have too many. Selling a Signal Electric "practice set" with a black-based key (with some gold japanning) and a chrome-plated buzzer on a nice wood base. The 3 chrome-plated binding screws are all there. As seen in the 1922 Sear-Roebuck catalog! Shipped in conUS, \$20

Also another Signal Electric black-based key on a plain varnished wood base, chrome and brass key. Brass binding screws, cloth-covered wires underneath, so it's old. Shipped in conUS, \$15

72, Paul WA9PWP

Paul Goemans WA9PWP
1508 Sundt Lane
Stoughton, WI 53589-1069
wa9pwp@arrl.net

Date: Sun, 02 Dec 2001 16:31:46 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [113643] Re: Should be simple ... 80M VFO saga continues
Message-ID: <3.0.6.32.20011202163146.00796c90@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:26 PM 12/2/01 -0600, you wrote:

>About a dozen years ago, my brother and I were both engaged in writing
>assembly language programs for fun on an old 8 bit computer . (I was doing
>ham stuff and he was doing a two player arcade game.) We had this little
>ritual. One of us would describe an apparently easy-to-implement feature

>he was going to add to his program, and then end the summary with the tag
>line: "Should be simple". That would provoke a burst of laughter from both
>of us. Experience had taught that the simplest change would always result
>in days or weeks chasing strange new bugs. Bugs that couldn't possibly
>have been caused by the change, but were.

Nick,

As my kids used to say: "Been there, done that, got the T-shirt." Heck, at this point in my career I could be the tour guide on THAT trip.

One of my many former bosses (I do 'tronics and software development) would never let us say a change was "easy" or "simple." The best we could get away with was saying it was "straightforward." And we still get bit.

>The fix is a two transistor current source, one NPN and one PNP. The two
>base-emitter junctions are in series in the regulation path and their
>polarities cancel, eliminating this drift term for the price of slightly
>higher complexity. My controlling base voltage is regulated with a simple
>resistive divider, so regulated supply voltage is required. Put that 78L09
>back in there! Also, I wanted my load connected to ground, not to Vcc, so
>I stood the whole circuit on its head. Changed the NPN to PNP and vice
>versa and swapped ground and Vcc. That's kind of a neat trick. Now my
>"driver" is an NPN and my "output" is a PNP. With a positive supply, the
>collector of a PNP goes to ground. I didn't want the voltage to the
>varactor going all the way to zero, so there's a fixed resistor between the
>two series pots and ground used to set a minimum voltage output.

>

>Results? It works like a charm now. I'm getting about 110 kHz main tuning
>range. The fine tuning control pot gives me about +/- 5 kHz adjustment at
>the high end of the main range and +/- 6 kHz at the low end. Close enough
>to constant for me.

Sounds like a keeper. I probably would have tried an op-amp voltage summing circuit with a span of X volts on the main tuning and X/10 (or whatever) on the fine tune, but that hardly counts as a simple solution. I doubt that the fine tuning frequency range would have been any more constant than yours - maybe much worse.

Thanks for the lesson - that's why I read this list!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sun, 2 Dec 2001 16:01:39 -0600
From: "Michael Melland" <w9wis@charter.net>
To: <sgreene@patriot.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [113644] [OT] Re: Antietam
Message-ID: <000c01c17b7c\$eb4037a0\$0875c418@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Stephan,

Interesting report..... and of special interest for those of us who are Civil War buffs in this part of Wisconsin. Our Regiments.... 2nd, 6th, 7th Wisconsin and 19th Indiana which formed the "Iron Brigade" fought there in "The Corn Field" along Hagerstown Pike. 280 men of the 6th Wisconsin (already decimated after battles at Brawner Farm and South Mountain just days before... normal complement of a Civil War Regiment was 1,000) led the brigade into the field.... 150 came out of the cornfield. Company F of the 6th Wisconsin (all Germans) led by Capt Werner Von Bachelles were straddling the road with the popular Capt in advance of his Company in the road without cover accompanied by his Newfoundland dog, the Company mascot. The men saw him go down having been shot several times. After the battle his bullet riddled body was found in the road where he fell with his dog laying dead across his chest. Just one of many tragic happenings in this battle. Antietam is hallowed ground.... the site of the single bloodiest day of combat in American history. Thousands of American's died here... I hope the Scouts also realised this while having qrp fun.

Regards,

Mike, W9WIS

Date: Sun, 2 Dec 2001 14:46:54 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: <k3ny@cablespeed.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [113645] Re: Red Hot 20 problem
Message-ID: <001101c17b83\$3e67b240\$0200a8c0@pacbell.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Give us the complete set of debugging voltage measurements
(per the troubleshooting section of the manual) in RX and TX
modes and then I'll be able to make a better diagnosis.

Right now I would guess that you either have a transistor, resistor
or trimmer incorrectly fitted.

Regards,
Dave Fifield, AD6A

----- Original Message -----

From: "Nick Yokanovich" <k3ny@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 02, 2001 6:33 AM
Subject: Red Hot 20 problem

First one I sent on this didn't make the list, so here goes again.

I'm finally building my RH20. All was well through the receiver
stage, and I was getting nice signals when connected to an
antenna. Then I installed the AGC, and now I hear nothing.
Parts are in the right holes, got the R101/R102/R103 business
straight. VR5 has no affect on noise level, since there is no noise.
The AGC circuit shows 0.31 volts at test point "S" in tune-up mode,
right on specs. Any advice?

73, Nick K3NY Arnold, MD

Date: Sun, 2 Dec 2001 17:03:20 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>, Bill Lazure <n2tpa@juno.com>
Subject: [113646] Re: AVG
Message-ID: <Pine.LNX.4.33.0112021657380.10690-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bill....well I have downloaded AVG anti-virus 3 times now and same
result every time in that Spectrogram comes up as the .exe file and not
the AVG virus program...also tried your url with same result...???

as far as I can tell, I do not have a virus.....I have an old McAfee program on here.....maybe I should get rid of that...or try to update it which I haven't been able to do in the past....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 2 Dec 2001 17:56:20 -0500
From: putska@juno.com
To: qrp-l@Lehigh.EDU
Subject: [113647] RADIOKIT
Message-ID: <20011202.175627.-312623.0.putska@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Looking for anybody that has built the RADIOKIT for 15 meters , need to know osc. output , how many Vpp into pin 1 of u6 can't get enough output . Would like to hear anything about the ne-602 output pin 6 and 7 . The rigs final output is about 500 milliwatts , a little on the short side .
GARY KB2PQE

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 02 Dec 2001 18:15:32 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [113648] RE: Should be simple ... 80M VFO saga continues
Message-ID: <3.0.6.32.20011202181532.00798100@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:06 PM 12/2/01 -0600, you wrote:
>Thanks for the feedback. I considered that summing op-amp idea. It would
>probably be as simple as what I did, but I said no, I ain't sticking any
>dadgum DIPs into this pretty VFO circuit. At least the 78L09's and so

>forth at least LOOK like transistors even though they're ICs. I've got a
>bunch of LM3900's I've never learned to use. I bet they'd work good for a
>constant current source.

Nick,

I've looked at the 3900 too, but never used one. I'm not quite sure how to
make a voltage summer with a current amp.

>At my work, I figured an engineered change with the official goal of "do
>absolutely nothing" would take a few months to get reviewed and approved
>and a few thousand bucks to install. I work at a nuclear power plant. The
>Mother of "nothing is ever simple".

No kidding! I just help design smart electricity meters. The good news is,
most features are done in software so they're easy to change. The bad news
is, most features are done in software so they're easy to change.

Dave

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Date: Sun, 02 Dec 2001 17:46:42 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [113649] HB: Test Equipment
Message-ID: <4.3.2.7.2.20011202173626.00b67150@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I read the post where a list member was asking about home brewing test
equipment. At that time, I let it go. So, if you already said what I'm
about to say, sorry. Chalk it up to a senior moment.

There are many needs in the ham shack for test equipment of various levels
of complexity. The basic one is for measurement - such things as voltage,
current, component value, power, etc. Beyond that, we need to
measure/evaluate/view waveform and then, ultimately, spectrum.

Other items such as power supplies come to mind as well.

Once, I would have said you build the simple stuff and don't mess with the

complex stuff - scopes and spectrum analyzers. Now we have pretty straight forward spectrum analyzer kits! Not a beginner's kit, to be sure, but certainly a project doable by the experienced builder.

The ready availability of multimeters, both digital and analog, that cost under \$50 and rival equipment from 10 years ago that would have cost over \$500 boggles the mind. One might ask why anyone would even consider attempting to build a multimeter!

But the homebrewer doesn't necessarily build to have - its too easy to buy. The homebrewer builds to learn and have the sense of accomplishment of having done it him/her-self.

With that philosophy in mind, I would recommend that anyone with the itch to build their own test equipment begin with none other than the definitive treatise on home brew test equipment. I refer you to 'Solid State Design for the Radio Amateur' where Wes Hayward starts you with the most basic of measurements - voltage - and takes you all the way up through the necessary equipment to take care of 99% of the needs in your ham shack. I've built most of the items Wes describes and I can assure you that if you take it from beginning to end, you will have some very useful equipment. But, more than that, you will really understand the science and engineering behind the measurements. And, to top it all off, the equipment he describes is inexpensive and easy to make.

Maybe that book's chapter on test equipment could become the syllabus of a new QRP-L course, TE-101. And, NO, I'm not volunteering to proctor it :-)

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Date: 2 Dec 2001 18:51:30 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [113650] SST or SW+?
Message-ID: <20011202235130.9784.qmail@cpdvgl100.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

The new tiny cw key from Marshall has me seriously considering building a small 30 meter station. I'm considering the Wilderness SST and the SWLabs SW+. I know the SST covers 10.105-10.120, and assume the SW+ covers the whole band (what there is of it). Either looks like it would make a great really small, battery-friendly, portable station. =

Would like to hear (off list) from anyone using and/or having built one or the other of these rigs. Thanks.

mike
wb5yjx

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

End of QRP-L Digest 2392

